PATENT COOPERATION TREATY

From the INTERNATIONAL SEARCHING AUTHORITY

To: THOMAS L. LOCKHART VARNUM, RIDDERING, SCHDMIT & HOWLETT LLP

BRIDGEWATER PLACE	THE INTERNATIONAL SEARCH REPORT AND			
P.O. BOX 352 GRAND RAPIDS, MI 49501-0352	THE INTERNATIONAL SEARCH REPORT AND THE WRITTEN OPINION OF THE INTERNATIONAL			
GRAND RAM IDO, INI 47501-0352	SEARCHING AUTHORITY, OR THE DECLARATION			
	(PCT Rule 44.1)			
	Date of mailing (day/month/year) 1 3 OCT 2005			
Applicant's or agent's file reference BYRNE P232WO	FOR FURTHER ACTION See paragraphs 1 and 4 below			
International application No.	International filing date			
PCT/US05/14495	(day/month/year) 27 April 2005 (27.04.2005)			
Applicant NORMAN R. BYRNE				
1. The applicant is hereby notified that the international search report and the written opinion of the International Searching Authority have been established and are transmitted herewith.				
Filing of amendments and statement under Article 19: The applicant is entitled, if he so wishes, to amend the claims of the international application (see Rule 46):				
When? The time limit for filing such amendments is normally two months from the date of transmittal of the international search report.				
Where? Directly to the International Bureau of WIPO, 34 chemin des Colombettes 1211 Geneva 20, Switzerland, Facsimile No.: (41-22) 338.82.70.				
For more detailed instructions, see the notes on the accompanying sheet.				
2. The applicant is hereby notified that no international search report will be established and that the declaration under Article 17(2)(a) to that effect and the written opinion of the International Searching Authority are transmitted herewith.				
3. With regard to the protest against payment of (an) additional fee(s) under Rule 40.2, the applicant is notified that:				
the protest together with the decision thereon has been transmitted to the International Bureau together with the applicant's request to forward the texts of both the protest and the decision thereon to the designated Offices.				
no decision has been made yet on the protest; the app	,			
4. Reminders				
Shortly after the expiration of 18 months from the priority date, the international application will be published by the International Bureau. If the applicant wishes to avoid or postpone publication, a notice of withdrawal of the international application, or of the priority claim, must reach the International Bureau as provided in Rules 90bis.1 and 90bis.3, respectively, before the completion of the technical preparations for international publication.				
The applicant may submit comments on an informal basis on the written opinion of the International Searching Authority to the International Bureau. The International Bureau will send a copy of such comments to all designated Offices unless an international preliminary examination report has been or is to be established. These comments would also be made available to the public but not before the expiration of 30 months from the priority date.				
Within 19 months from the priority date, but only in respect of some designated Offices, a demand for international preliminary examination must be filed if the applicant wishes to postpone the entry into the national phase until 30 months from the priority date (in some Offices even later); otherwise, the applicant must, within 20 months from the priority date, perform the prescribed acts for entry into the national phase before those designated Offices.				
In respect of other designated Offices, the time limit of 30 months (or later) will apply even if no demand is filed within 19 months.				
See the Annex to Form PCT/IB/301 and, for details about the applicable time limits, Office by Office, see the PCT Applicant's Guide, Volume II, National Chapters and the WIPO Internet site.				
Name and mailing address of the ISA/ US	Authorized officer Khoneley Bell			
Mail Stop PCT, Attn: ISA/US Commissioner for Patents	Gary F. Paumen			
P.O. Box 1450 Alexandria, Virginia 22313-1450				
Alexandria, Virginia 22313-1430	Telephone No. 571-272-1850			

Facsimile No. (703) 305-3230 Form PCT/ISA/220 (January 2004)

(See notes on accompanying sheet)

PATENT COOPERATION TREATY

PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference BYRNE P232WO	FOR FURTHER ACTION	see F as well as, whe	form PCT/ISA/220 re applicable, item 5 below.
nternational application No.	International filing date (da 27 April 2005 (27.04.2005	ty/month/year))	(Earliest) Priority Date (day/month/year)
Applicant NORMAN R. BYRNE			
This international search report consists It is also accompanie Basis of the Report a. With regard to the language, the international a translation of of a translation b. With regard to any nucleo Certain claims were foun Unity of invention is lack With regard to the title, the text is approved as sub-	g transmitted to the internal s of a total of she d by a copy of each prior a e international search was ca application in the language the international application furnished for the purposes of tide and/or amino acid sequence d unsearchable (See Box No. ling (See Box No. III)	eets. rt document cited rried out on the ba in which it was fil into f international sear uence disclosed in b. II)	asis of:
may, within one month f 6. With regard to the drawings, a. the figure of the drawings to	hed, according to Rule 38.26 from the date of mailing of the	is international sea	ity as it appears in Box No. IV. The applicanch report, submit comments to this Author

Form PCT/ISA/210 (first sheet) (April 2005)

INTERNATIONAL SEARCH REPORT

International application No.

PCT/US05/14495

A CIACC	IFICATION OF SUBJECT MATTER	1					
IPC(7) : H01R 4/60							
*** 6*	420/215 52 218						
According to International Patent Classification (IPC) or to both national classification and IPC							
	S SEARCHED	electification symbols)					
Minimum docu	umentation searched (classification system followed by	classification symbols)					
U.S.: 439	9/215,53,218,211,43						
			the fields searched				
Documentation	n searched other than minimum documentation to the ex	delit that such documents are meraded in					
none							
			1				
Electronic data	a base consulted during the international search (name of	of data base and, where practicable, sear	ch terms used)				
none		•					
C. DOCU	JMENTS CONSIDERED TO BE RELEVANT		Relevant to claim No.				
Category *	Citation of document, with indication, where app	propriate, of the relevant passages	1-22				
A	US 6,491,535 A (BUSE) 10 December 2002 (12.10.20	302), see entire document					
	US 4,775,328 A (MCCARTHY) 04 October 1988 (04	1-22					
A		1.22					
A	US 5,087,207 A (BYRNE) 11 February 1992 (11.02.	1992), see entire document	1-22				
		1-22					
A	US 4,367,370 A (WILSON et al) 04 January 1983 (04	·					
	A US 4,666,223 A (TILLMANN) 19 May 1987 (19.05.1987), see entire document						
A							
A	A US 4,781,609 A (WILSON et al) 01 November 1988 (01.11.1988), see entire document						
	<u> </u>	1-22					
A	US 5,096,431 A (BYRNE) 17 March 1992 (17.03.19						
1							
		· .					
		See patent family annex.					
	er documents are listed in the continuation of Box C.		ternational filing date or priority				
* Special categories of cited documents.			ication but cited to understand the				
"A" docume	nt defining the general state of the art which is not considered to be	principle or theory underlying the in	vention				
of partic	cular relevance	"X" document of particular relevance; the considered novel or cannot be considered.	e claimed invention cannot be				
"E" earlier a	application or patent published on or after the international filing date	when the document is taken alone	leted to hivorye an ansature early				
"L" docume	nt which may throw doubts on priority claim(s) or which is cited to	"Y" document of particular relevance; th	e claimed invention cannot be				
establish specifie	h the publication date of another citation or other special reason (as	considered to involve an inventive s combined with one or more other su	en when the document is				
	ent referring to an oral disclosure, use, exhibition or other means	being obvious to a person skilled in	the art				
I		"&" document member of the same pater					
"P" document published prior to the international filing date but later than the "&" document member of the s priority date claimed							
	actual completion of the international search	Date of mailing of the international sea	arch report				
i							
06 Septemb	holp						
Name and r	Name and mailing address of the ISA/US Mail Stop PCT, Atm: ISA/US Mail Stop PCT, Atm: ISA/US Gary F. Paumen						
l c	Commissioner for Patents						
P	P.O. Box 1450 Alexandria, Virginia 22313-1450 Telephone No. 571-272-1850						
	No. (703) 305-3230						

Facsimile No. (703) 305-3230
Form PCT/ISA/210 (second sheet) (April 2005)